

WHAT IS CLAIMED IS:

1. A magnetic recording and reproduction apparatus for recording information to, and/or reproducing information from, a magnetic tape accommodated in a cassette, the magnetic recording and reproduction apparatus comprising:

a main chassis on which a rotatable head cylinder for recording information to, and/or reproducing information from, the magnetic tape is mounted;

a sub chassis on which the cassette is mountable, the sub chassis being movable relative to the main chassis; and

a first guide section for guiding the sub chassis to move relative to the main chassis;

wherein:

the first guide section includes:

a first guide groove provided in one of the main chassis and the sub chassis, the first guide groove extending in a direction in which the sub chassis is movable relative to the main chassis; and

a first projection provided on the other of the main chassis and the sub chassis, the first projection being engageable with the first guide groove and movable along the first guide groove; and

the first guide groove has two ends between which the first projection is movable, the first projection is contactable with at least one of the two ends at two points and the at least one end is formed such that the movement of the first projection toward the at least one end is stopped by the contact with the two points, and the two points have a distance therebetween which is shorter than a width of the first guide groove in a direction perpendicular to the

direction in which the sub chassis is movable.

2. A magnetic recording and reproduction apparatus according to claim 1, further comprising:

a second guide section for guiding the sub chassis to move relative to the main chassis;

a third guide section for guiding the sub chassis to move relative to the main chassis;

wherein:

the second guide section includes:

a second guide groove provided in one of the main chassis and the sub chassis, the second guide groove extending in the direction in which the sub chassis is movable relative to the main chassis; and

a second projection provided on the other of the main chassis and the sub chassis, the second projection being engageable with the second guide groove and movable along the second guide groove; and

the third guide section includes:

a third guide groove provided in one of the main chassis and the sub chassis, the third guide groove extending in the direction in which the sub chassis is movable relative to the main chassis; and

a third projection provided on the other of the main chassis and the sub chassis, the third projection being engageable with the third guide groove and movable along the third guide groove;

the main chassis includes a bottom section, a first side section vertical to the bottom section, and a second side section vertical to the bottom section and facing the first side section;

the sub chassis includes a bottom section, a first side section vertical to the bottom section, and a second

side section vertical to the bottom section and facing the first side section;

the first guide section is provided on the first side sections of the main chassis and the sub chassis;

the second guide section and the third guide section are each provided on the second side sections of the main chassis and the sub chassis; and

the second guide groove has two ends between which the second projection is movable, the second projection is contactable with at least one of the two ends at two points and the at least one end is formed such that the movement of the second projection toward the at least one end is stopped by the contact with the two points, and the two points have a distance therebetween which is shorter than a width of the second guide groove in a direction perpendicular to the direction in which the sub chassis is movable.

3. A magnetic recording and reproduction apparatus according to claim 2, further comprising:

a fourth guide section for guiding the sub chassis to move relative to the main chassis; and

a fifth guide section for guiding the sub chassis to move relative to the main chassis;

wherein:

the fourth guide section includes:

a fourth guide groove provided in one of the main chassis and the sub chassis, the fourth guide groove extending in the direction in which the sub chassis is movable relative to the main chassis; and

a fourth projection provided on the other of the main chassis and the sub chassis, the fourth projection being engageable with the fourth guide groove and movable along the fourth guide groove; and

the fifth guide section includes:

a fifth guide groove provided in one of the main chassis and the sub chassis, the fifth guide groove extending in the direction in which the sub chassis is movable relative to the main chassis; and

a fifth projection provided on the other of the main chassis and the sub chassis, the fifth projection being engageable with the fifth guide groove and movable along the fifth guide groove; and

the fourth guide section and the fifth guide section are each provided on the bottom sections of the main chassis and the sub chassis.

4. A magnetic recording and reproduction apparatus according to claim 1, wherein at least one of the two ends of the first guide groove is V-shaped.